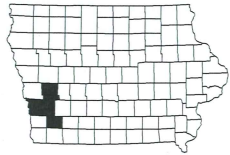


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### PRAIRIE ROSE PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING A VAULT LATRINE IN THE WEST CAMPGROUND. THIS INCLUDES ALL EARTHWORK, SUPPLYING AND INSTALLING THE NEW FACILITY AS WELL AS REMOVING THE EXISTING BUILDING AND CONSTRUCTION A NEW CAMPSITE IN ITS PLACE AND INCIDENTAL WORK AS REQUIRED BY THE DNR INSPECTOR.

### LAKE MANAWA PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING A VAULT LATRINE NEW SIDEWALK FOR ACCESS TO CXT STRUCTURE FROM PARKING LOT AND A NEW HANDICAP PARKING STALL.

### VIKING LAKE PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING A VAULT LATRINE AT THE END OF THE LOOP NEAR THE LOWER PICNIC AREA. THIS INCLUDES ALL EARTHWORK, SUPPLYING AND INSTALLING THE NEW FACILITY AS WELL AS REMOVING THE EXISTING BUILDING AND INCIDENTAL WORK AS REQUIRED BY THE DNR INSPECTOR.

# IOWA DEPARTMENT OF NATURAL RESOURCES

# CONSTRUCTION DOCUMENTS FOR PRAIRIE ROSE, LAKE MANAWA & VIKING LAKE STATE PARKS VAULT LATRINE

## SHELBY, POTTAWATTAMIE & MONTGOMERY COUNTIES

PROJECT # 13-04-83-02

### DIRECTORY

PRAIRIE ROSE PROJECT MANAGER				LAKE MANAWA PROJECT MANAGER				VIKING LAKE PROJECT MANAGER				CONSTRUCTION INSPECTOR			
COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES			COMPANY	IOWA DEPARTMENT OF NATURAL RESOURCES		
ADDRESS	502 EAST 9TH STREET			ADDRESS	502 EAST 9TH STREET			ADDRESS	502 EAST 9TH STREET			ADDRESS	502 EAST 9TH STREET		
CITY,STATE,ZIP	DES MOINES, IA, 50319			CITY,STATE,ZIP	DES MOINES, IA, 50319			CITY,STATE,ZIP	DES MOINES, IA, 50319			CITY,STATE,ZIP	DES MOINES, IA, 50319		
CONTACT	MANDI LU ALDRICH			CONTACT	MANDI LU ALDRICH			CONTACT	BRETT JOHNSON			CONTACT	MARK JOHNSON		
TELEPHONE	515-205-1698			TELEPHONE	515-205-1698			TELEPHONE	515-250-3711			TELEPHONE	319-250-3713		
FAX	515-281-8685			FAX	515-281-8685			FAX	515-281-8685			FAX	--		
EMAIL	Mandi.Aldrich@dnr.iowa.gov			EMAIL	Mandi.Aldrich@dnr.iowa.gov			EMAIL	Brett.Johnson@dnr.iowa.gov			EMAIL	Mark.Johnson@dnr.iowa.gov		



I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

*Mandi L. Aldrich* 1-22-13  
Mandi L. Aldrich, Iowa Reg. No. 14439 Date

My license renewal date is December 31, 20 13

Pages or sheets covered by this seal: 1-23

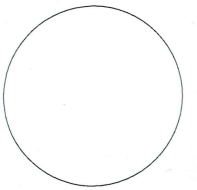
### AUTHORIZATION TO BID

*Mark Johnson* 1/22/13  
AUTHORIZATION - PARKS | WILDLIFE | FISHERIES | LAW ENFORCEMENT | FORESTRY DATE  
*Glenn* 01/22/13  
ENGINEERING BUREAU CHIEF DATE

### SHEET INDEX

1	COVER SHEET
2	QUANTITIES & NOTES
	PRAIRIE ROSE STATE PARK
3	PROJECT LOCATION MAPS
4	OVERALL SITE PLAN
5	DEMOLITION PLAN
6	SITE PLAN
7	GENERAL DETAILS
8	GENERAL DETAILS
	LAKE MANAWA STATE PARK
9	PROJECT LOCATION MAPS
10	SITE PLAN
11	SIDEWALK DETAILS & NOTES
12	HANDICAP PARKING DETAILS
	VIKING LAKE STATE PARK
13	PROJECT LOCATION MAPS
14	DEMOLITION PLAN
15	SITE PLAN
16	DOUBLE CASCADIAN DETAILS
17	DOUBLE CASCADIAN DETAILS
18	DOUBLE CASCADIAN DETAILS
19	SINGLE CASCADIAN DETAILS
20	SINGLE CASCADIAN DETAILS
21	SINGLE CASCADIAN DETAILS
22	VAULT SOLAR DETAIL
23	DETECTABLE PANEL DETAILS

CONSULTANT:



IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034



### COVER SHEET

VAULT LATRINES FOR:

PRAIRIE ROSE, LAKE MANAWA & VIKING LAKE STATE PARKS

SHELBY, POTTAWATTAMIE & MONTGOMERY COUNTIES, IOWA

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:  
13-04-83-02

CHECKED BY: DATE:

SHEET NO:

1

DIVISION 1: PRAIRIE ROSE STATE PARK - VAULT LATRINE  
DIVISION 2: LAKE MANAWA STATE PARK - VAULT LATRINE  
DIVISION 3: VIKING LAKE STATE PARK - VAULT LATRINE

ITEM NO.	ITEM	UNIT	DIVISION 1	DIVISION 2	DIVISION 3	TOTAL
1	DEMOLITION	LS	0.5		0.5	1
2	CLEARING AND GRUBBING	LS	0.5		0.5	1
3	SITE WORK	LS	0.33	0.33	0.33	1
4	CXT SINGLE CASCADIAN RIGHT HAND VAULT STRUCTURE	EACH		1	1	2
5	CXT DOUBLE CASCADIAN VAULT STRUCTURE	EACH	1			1
6	CLASS "A" CRUSHED STONE	TONS	16		2	18
7	SIDEWALK, PCC, 5"	SY	8.5	32	5.6	46
8	WATER SERVICE, 1" PE	LF			180	180
9	YARD HYDRANT	EACH			1	1
10	DETECTABLE WARNING PANEL	SF	10		10	20
11	EARTHWORK, CLASS 10 EXCAVATION	CY	24.1			24
12	ENGINEERING FABRIC	SY	120.7			121
13	MACADAM	TONS	24			24
14	EROSION CONTROL	LF	177		36	213
15	PAINTED PAVEMENT MARK, WATERBORNE/SOLVENT	STA		27		27
16	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH		11		11
17	SIGNING	EACH		1		1
18	PRECAST CONCRETE PARKING WHEEL STOPS	EACH		2		2
19	SOLAR TOWER	LS			1	1
20	CONCRETE BOLLARD	EACH	1			1

### ESTIMATE REFERENCE INFORMATION

ITEM NO.	DESCRIPTION
1	DEMOLITION A. Includes the removal and disposal of the existing building, sidewalk, granular base and hydrant (salvage if in good working order). B. The contractor shall ensure that all utilities are disconnected prior to demolition. C. Disposal is the responsibility of the contractor. D. Contractor is to restore the demolition areas, grade the proposed site according to the design drawings and seed, fertilizer and mulch all disturbed areas.
2	CLEARING AND GRUBBING A. Disposal is the responsibility of the contractor.
3	SITE WORK A. Site restoration is considered incidental and shall include seed, fertilizer and mulch on all disturbed areas as directed by the DNR inspector. B. Contractor is to grade and shape the latrine and camp pad sites as detailed in the plans.
4	CXT SINGLE CASCADIAN RIGHT HAND VAULT STRUCTURE
5	CXT DOUBLE CASCADIAN VAULT STRUCTURE A. Contractor will provide and install structure by the plans and Engineers specifications. C. Excavation and backfill for the installation of structure to be considered incidental. D. Bedding material is considered incidental.
6	CLASS "A" CRUSHED STONE A. The sidewalk is to be set on a 6 inch base of Class "A" Stone. B. Campsite will have a 2 inch top course.
7	SIDEWALK, PCC, 5" A. Contraction joints shall be sawcut at 5 foot maximum spacing to a depth of 1 1/4". Expansion joints shall be installed along the front of the building between the sidewalk and the building and between the sidewalks and the existing roadway. B. Curb cut is considered incidental. C. Excavation for sidewalk construction is considered incidental.
8	WATER SERVICE, 1" PE A. Includes connection to existing service line.
11	EARTHWORK, CLASS 10 EXCAVATION A. Remove existing topsoil to an average depth of 6 inch. B. Material to be used as fill where needed. C. Sod to stripped in areas where fill is placed. D. Dispose of any waste material as directed by the DNR Inspector. E. Place top soil in those areas outside of the new camp pad. Seed, fertilizer and mulch on all disturbed areas as directed by the DNR inspector.
12	ENGINEERING FABRIC A. Place under Macadam base course for campsite.
13	MACADAM A. Place a 4 inch base course over the engineering fabric for the campsite.

ITEM NO.	DESCRIPTION
14	EROSION CONTROL A. Filter sock shall be installed as detailed to prevent sediment from exiting the project site and shall remain in place and be maintained until the site is stabilized.
18	PRECAST CONCRETE PARKING WHEEL STOPS A. Wheel Stops shall be Barco products #WHLSTP/CG or equivalent. B. Wheel stops shall be tied to the asphalt via metal pins.
19	SOLAR TOWER Bid item includes furnishing and installing a 16' tall, 8 inch diameter wooden telephone pole, 70 linear feet of bored conduit, 20 linear feet of additional conduit on the pole and building, 95' of electrical line, Sunwize Solar Module side of pole mount, Part # 007986, 2 band clamps. The solar equipment is included with the CXT Single Cascadian Right Hand Vault Structure bid item.

- A. The contractor shall notify the following two weeks prior to demolition/construction:
  - a. District Inspector: Mark Johnson (515) 250-3713
- B. The contractor shall be responsible for any damage to existing facilities resulting from their negligence, or that of a subcontractor, and said repairs shall be approved by the owner.
- C. All work shall conform to and be performed in accordance with all applicable codes and ordinances.
- D. The contractor is responsible for providing waste area or disposal for excess material (excavated material, concrete, or other) which is not desirable to be incorporated into the work involved on this project. No material shall be disposed of on site, unless specifically stated in the plans or approved by the DNR Inspector.
- E. All holes resulting from operations of the contractor, including removal of guardrail posts, fence posts, utility poles or piers, shall be filled and consolidated to finish grade as directed by the Engineer to prevent future settlement. The voids shall be filled as soon as practical - preferably the day created and not later than the following day. Any portion of the right of way or project limits (including borrow areas and operation sites) disturbed by any such operations shall be restored to an applicable condition. This operation shall be considered incidental to other bid items in the project.
- F. The contractor is expected to have materials, equipment, and labor available on a daily basis to install and maintain erosion control features of the project. This may involve seeding, silt fence, rock ditch checks, silt basins or silt dikes.
- G. The contractor shall shape graded area to maintain surface drainage. All elevations shown are to finish grade.
- H. Topsoil shall be spread to a minimum thickness of 6 inches on all disturbed unpaved areas.
- I. The contractor shall seed, fertilize and mulch all disturbed areas.
- J. Backfill to the top of all rock or paved surfaces.

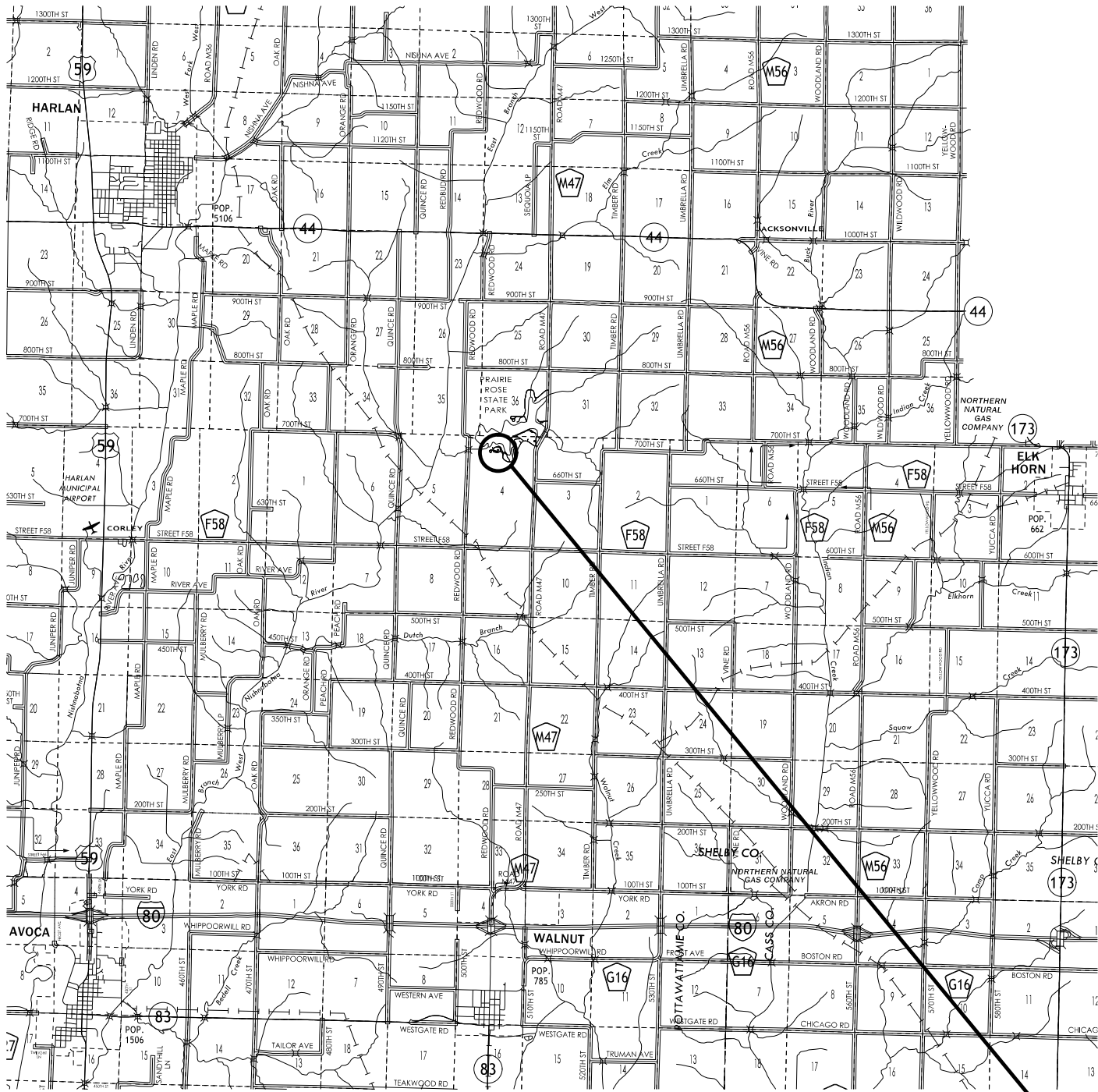
**IOWA DEPARTMENT OF  
NATURAL RESOURCES**



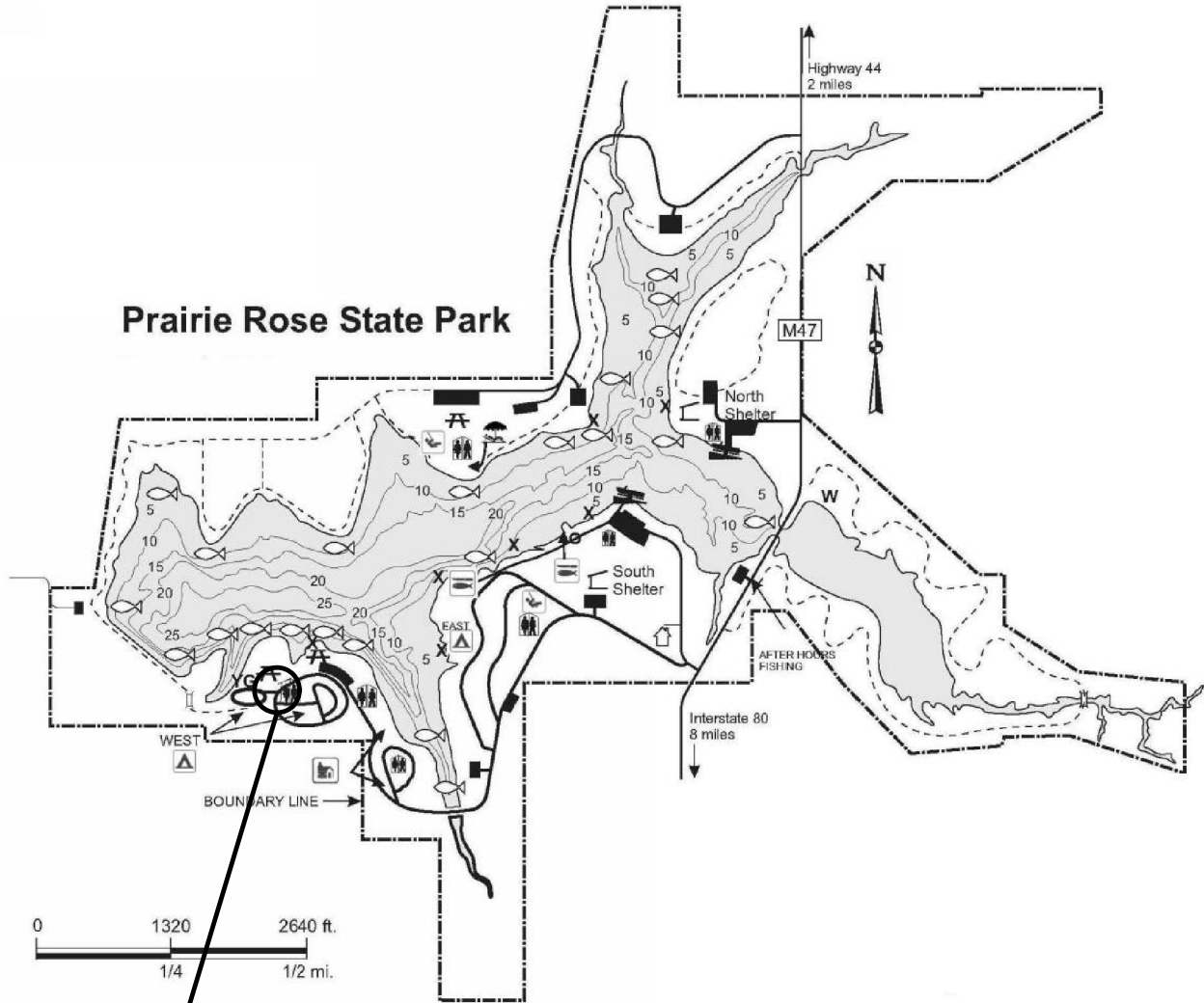
VAULT LATRINES FOR:  
PRAIRIE ROSE, LAKE MANAWA & VIKING LAKE STATE PARKS  
SHELBY, POTTAWATTAMIE & MONTGOMERY COUNTIES, IOWA

NO.	BY DATE	REVISION
DRAWN BY:	PROJECT NUMBER: <b>13-04-83-02</b>	
CHECK'D BY:	DATE:	
SHEET No:		





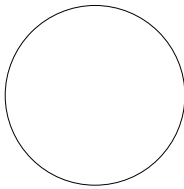
VICINITY MAP



LOCATION MAP

**PROJECT LOCATION**

CONSULTANT:



**IOWA DEPARTMENT OF  
NATURAL RESOURCES**

ENGINEERING SERVICES • WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034



**PROJECT LOCATION MAP**

VAULT LATRINE FOR:

**PRAIRIE ROSE STATE PARK**

SHELBY COUNTY, IOWA

NO. BY DATE REVISION

DRAWN BY: PROJECT NUMBER:  
CHK'D BY: DATE: 13-04-83-02

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OVERALL SITE PLAN

VAULT LATRINE FOR:  
PRAIRIE ROSE STATE PARK

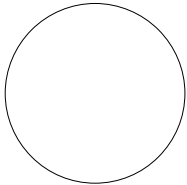
SHELBY COUNTY, IOWA



IOWA DEPARTMENT OF  
NATURAL RESOURCES


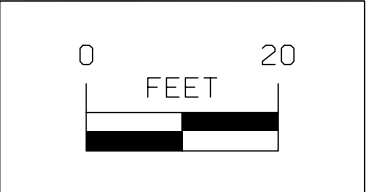
ENGINEERING SERVICES • WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034

CONSULTANT:





9:18:16 AM



ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034



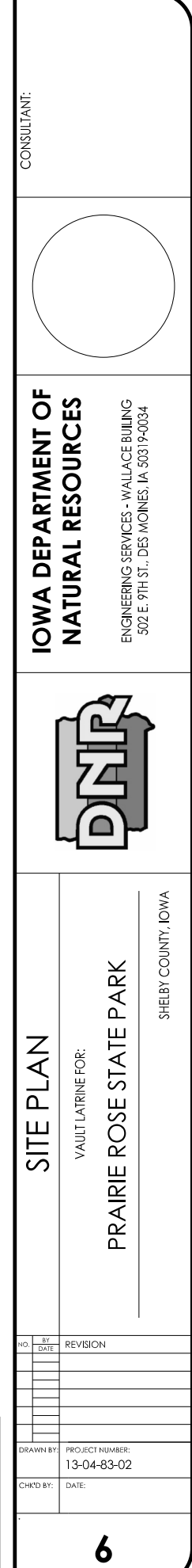
VAULT LATRINE FOR:

PRAIRIE ROSE STATE PARK

SHELBY COUNTY, IOWA

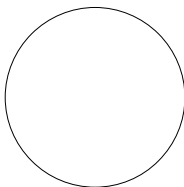
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CONSULTANT:



**IOWA DEPARTMENT OF  
NATURAL RESOURCES**

ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034



## SITE PLAN

VAULT LATRINE FOR:

PRAIRIE ROSE STATE PARK

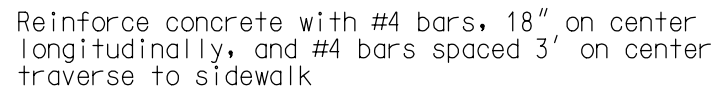
SHELBY COUNTY, IOWA

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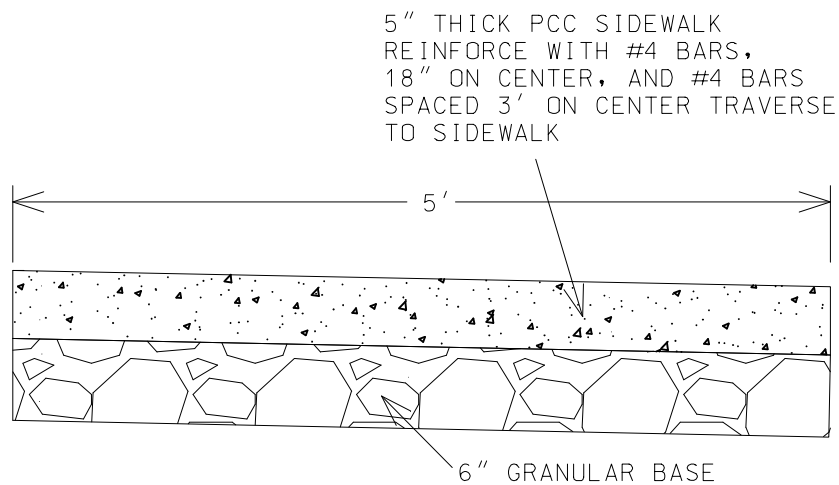
- 1 Install a 24" wide (min) strip of detectable warnings at the back of the curb. Extend the detectable warnings across the full width of the ramp.
- 2 Provide a minimum of 6" of concrete below the detectable warning panel.
- 3 Landing: Maximum slope of 2% in any direction.



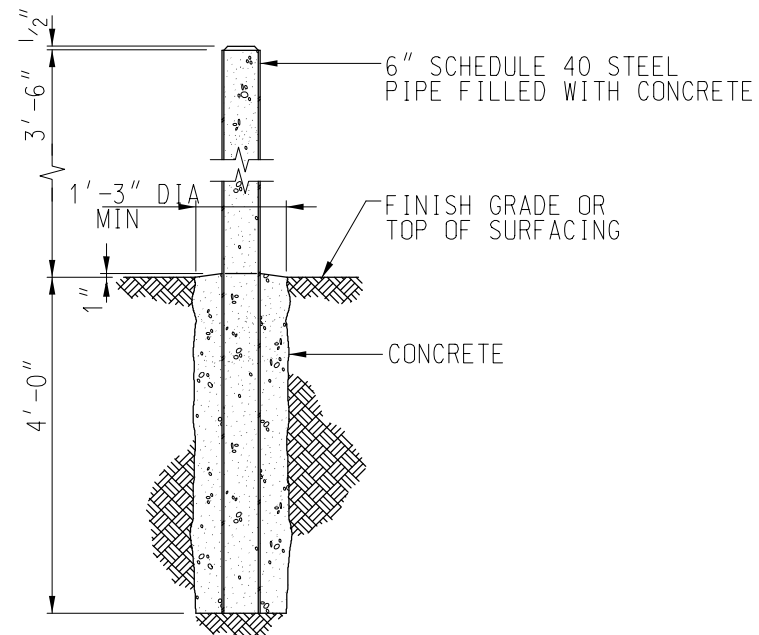
Cross slope transition at 1% per foot or less

## TYPICAL SIDEWALK DETAILS

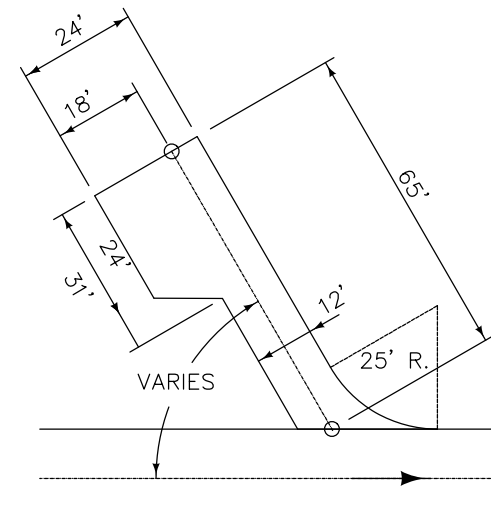
STATION TO STATION	SIDE	A Feet	B Feet	C Feet	NEW CONSTRUCTION
ALL		2	5	2	



## SIDEWALK DETAIL



# CONCRETE BALLARD

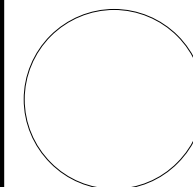


BACK-IN SITE

## LAYOUT

NOTE:  
SLOPE NOT TO EXCEED 2% IN ANY DIRECTION ON  
CAMP PADS UNLESS OTHERWISE DIRECTED BY THE  
DNR INSPECTOR. SHAPE CAMP PADS WITH A  
25' RADIUS AT THE INTERSECTION WITH THE  
ROADWAY WHEREVER POSSIBLE.

CONSULTANT.



IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BULLING  
502 E. 9TH ST., DES MOINES, IA 50319-0034



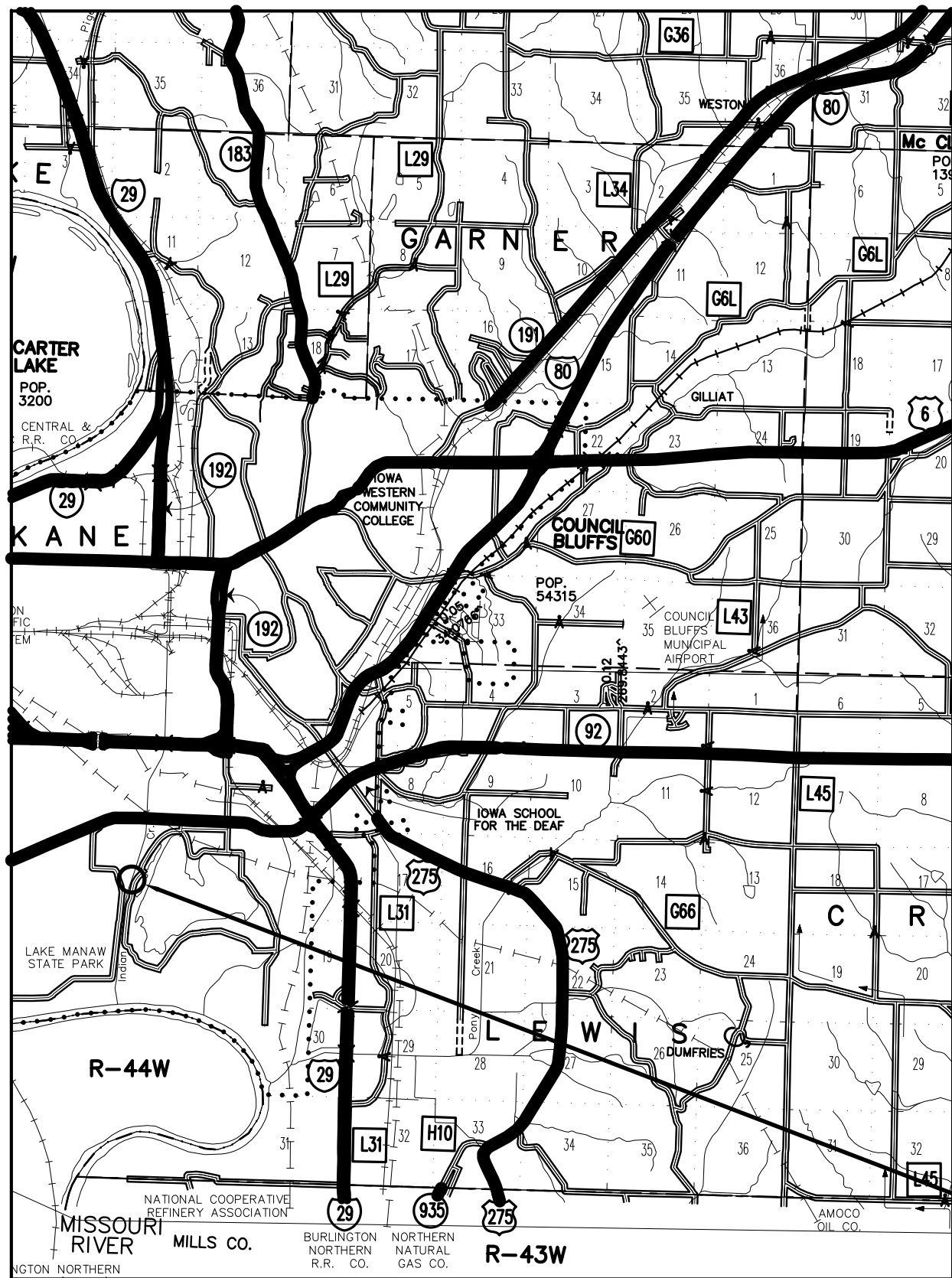
## GENERAL DETAILS

VAULT LATRINE FOR:

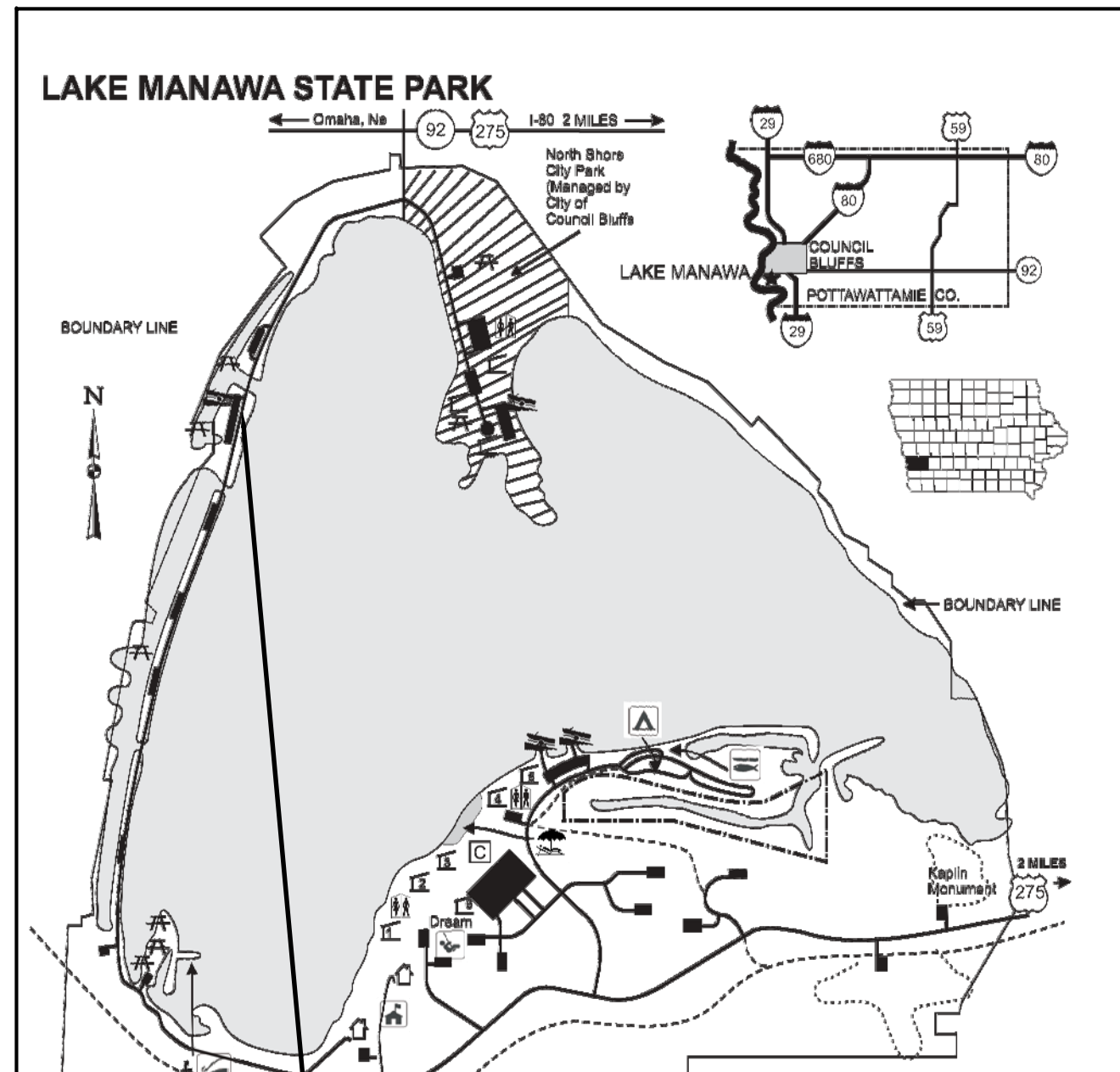
PRAIRIE ROSE STATE PARK

SHELBY COUNTY, IOWA

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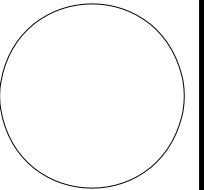
VICINITY MAP



LOCATION MAP

PROJECT LOCATION

CONSULTANT:



IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034



PROJECT LOCATION MAPS

BOAT RAMP RESTROOM FOR:  
LAKE MANAWA STATE PARK

POTTAWATTAMIE COUNTY

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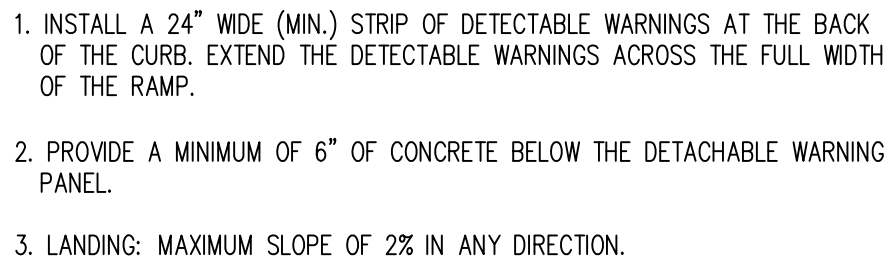
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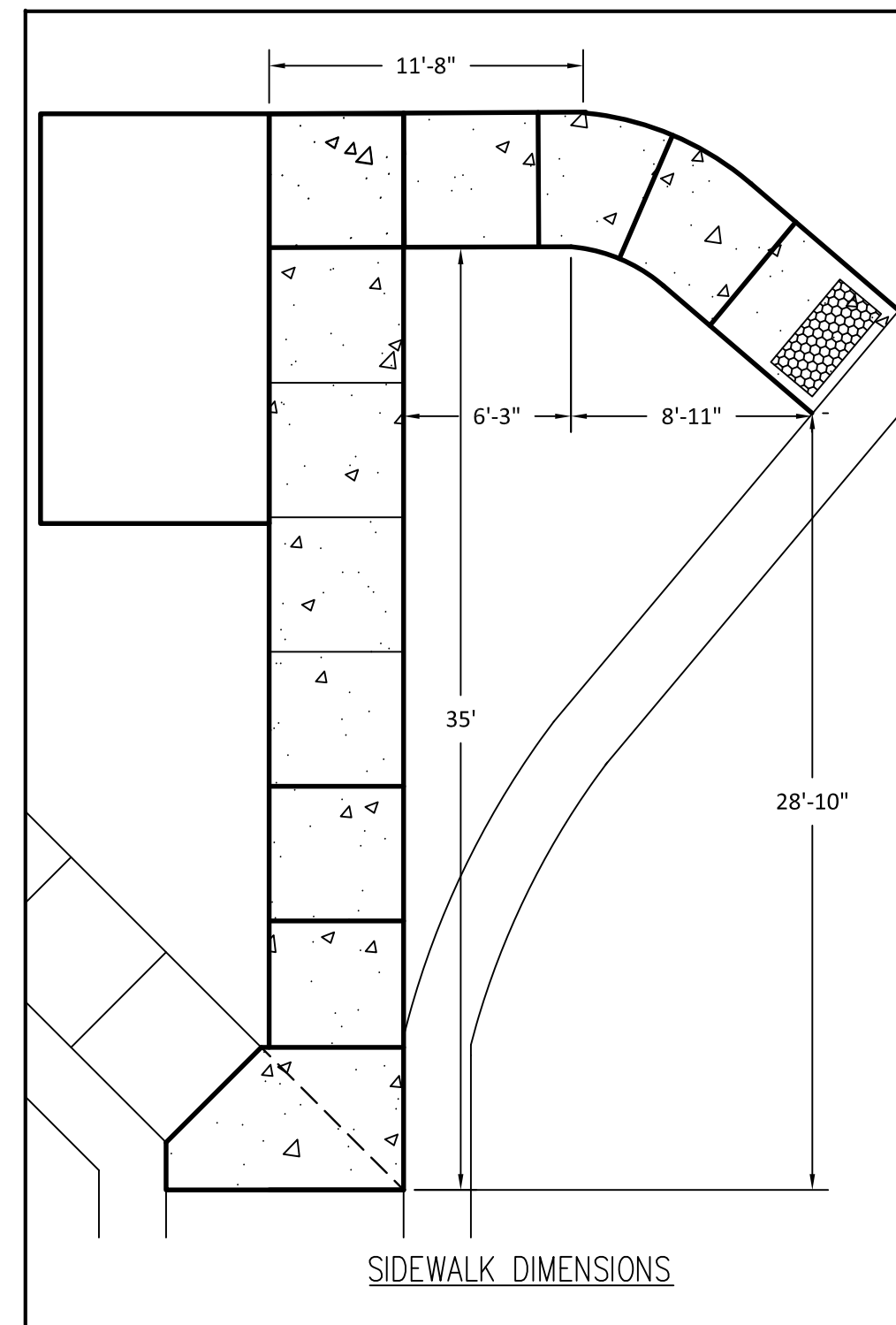
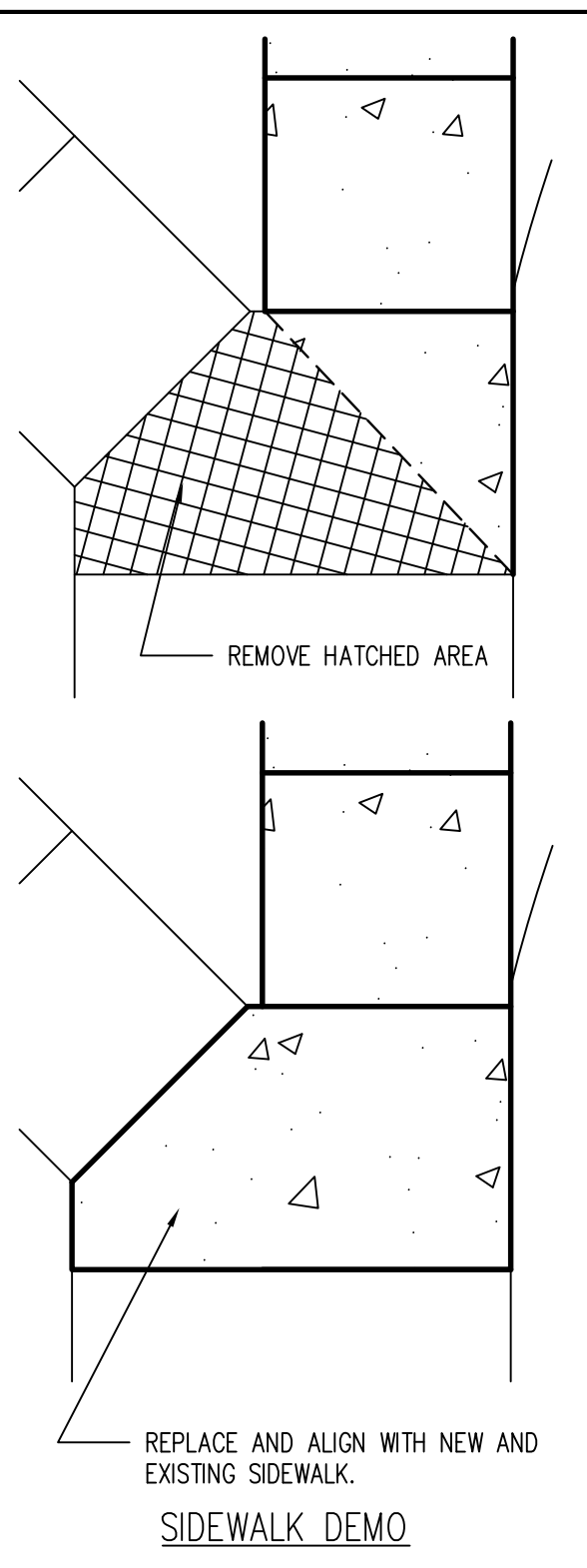
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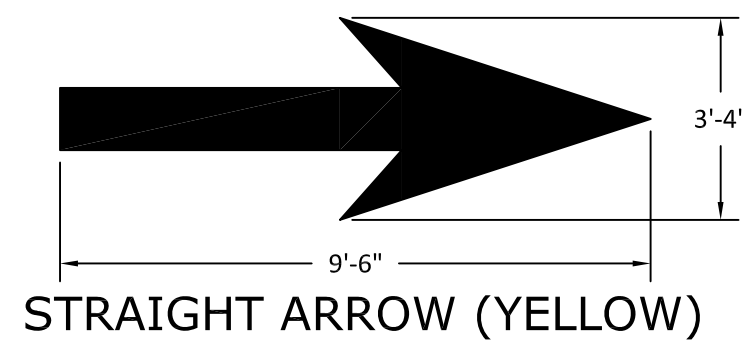
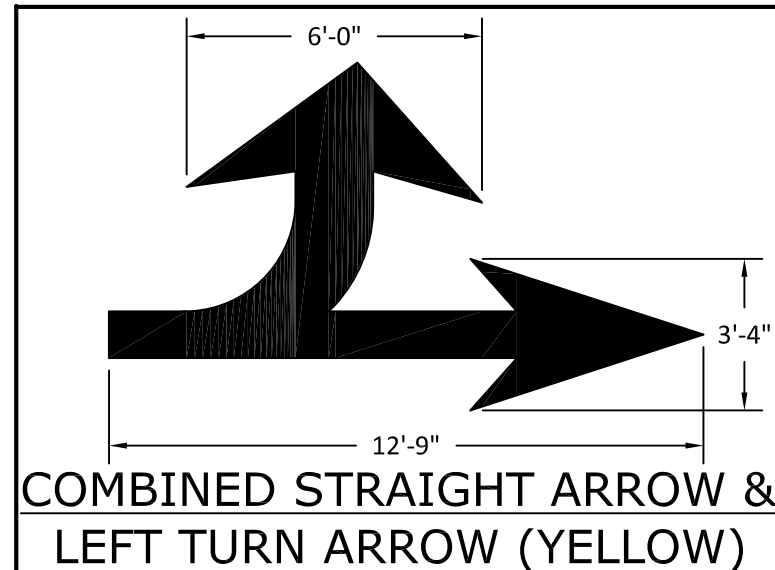
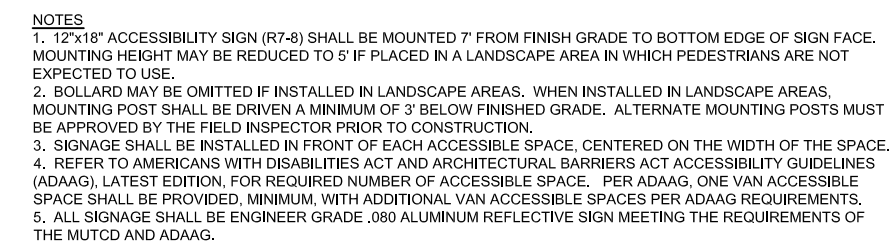
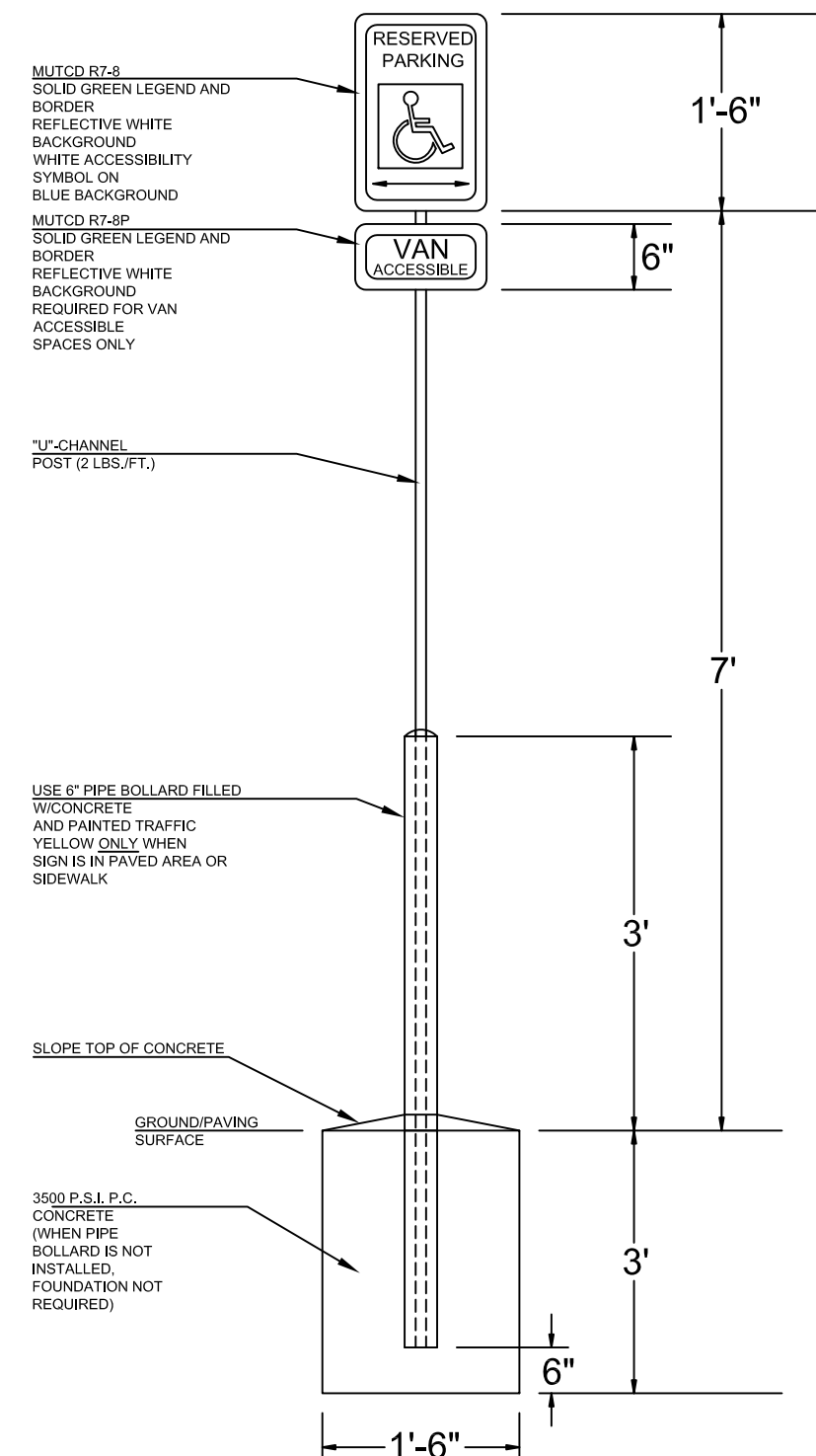
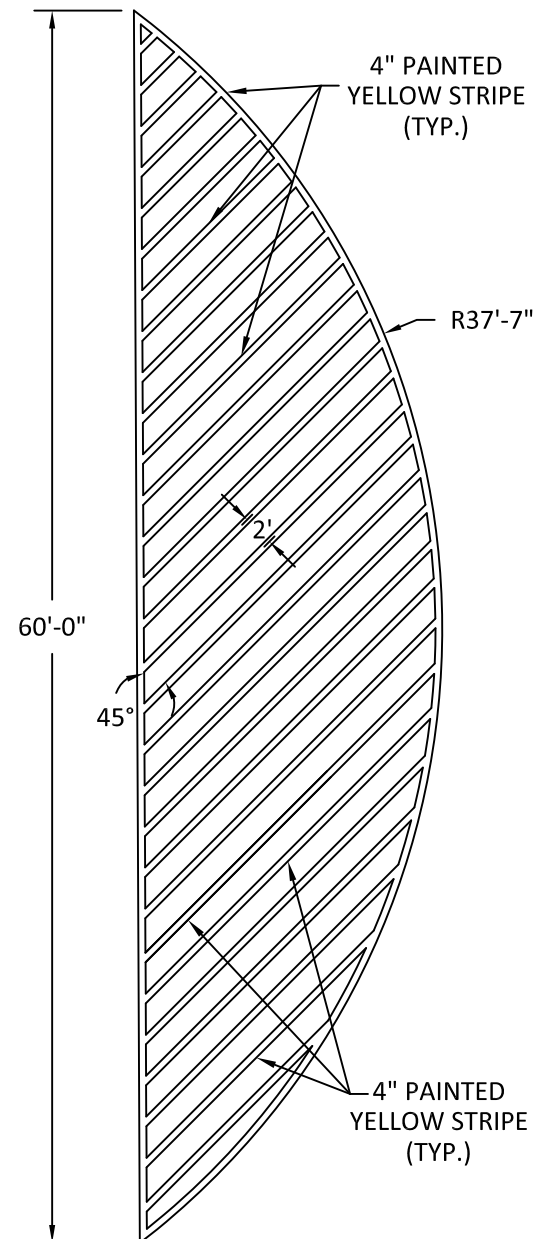
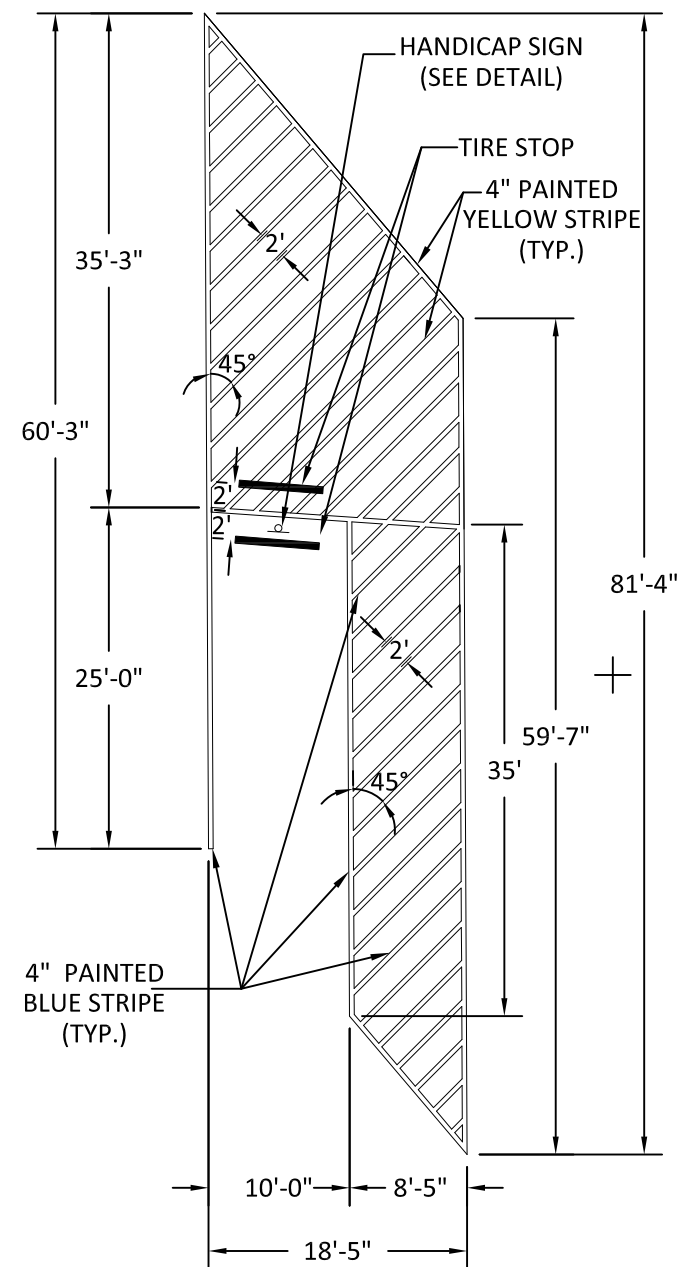
STATION TO STATION	SIDE	(A) Feet	(B) Feet	(C) Feet	NEW CONSTRUCTION
ALL		2	5	2	



## GENERAL NOTES

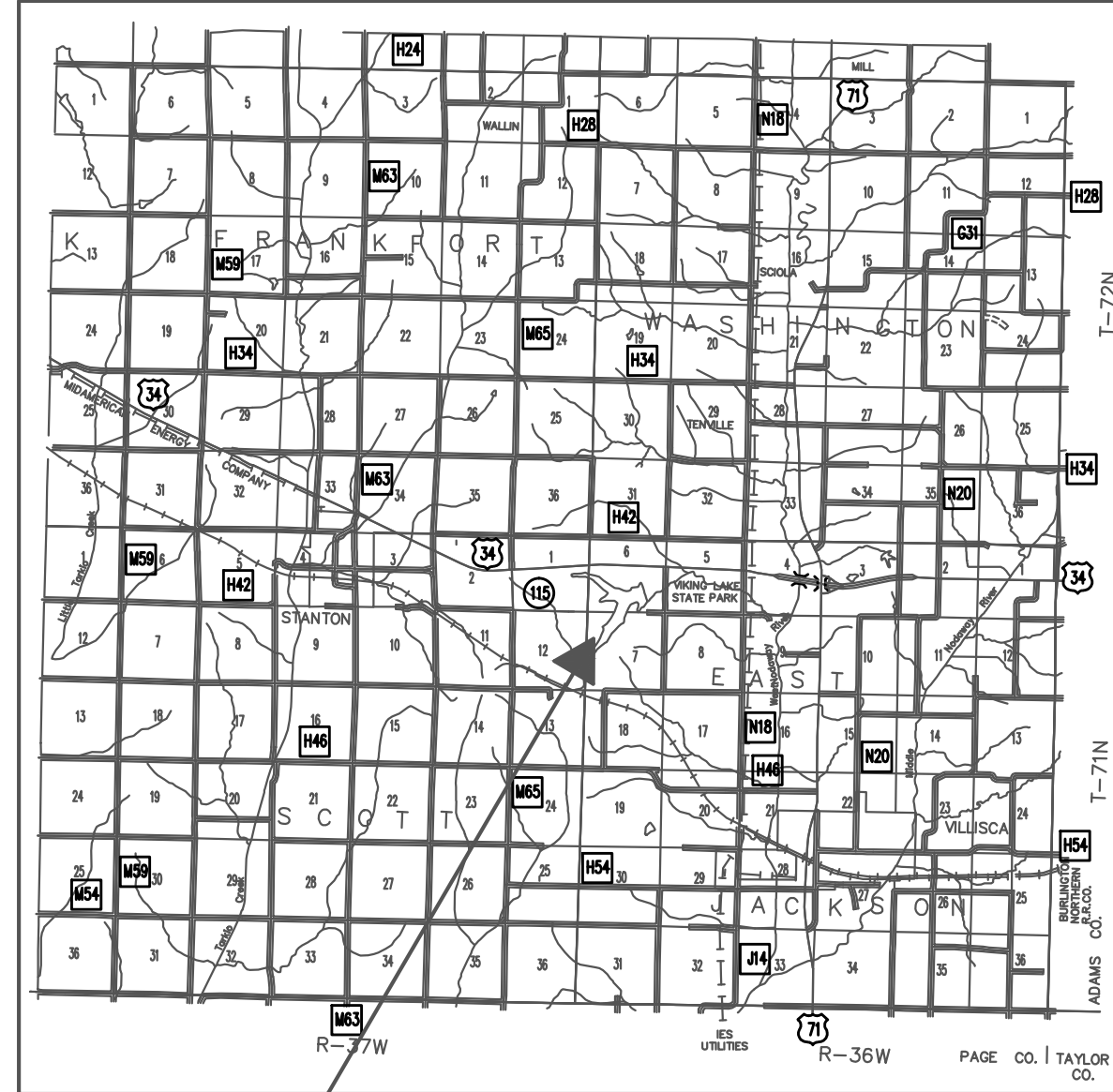
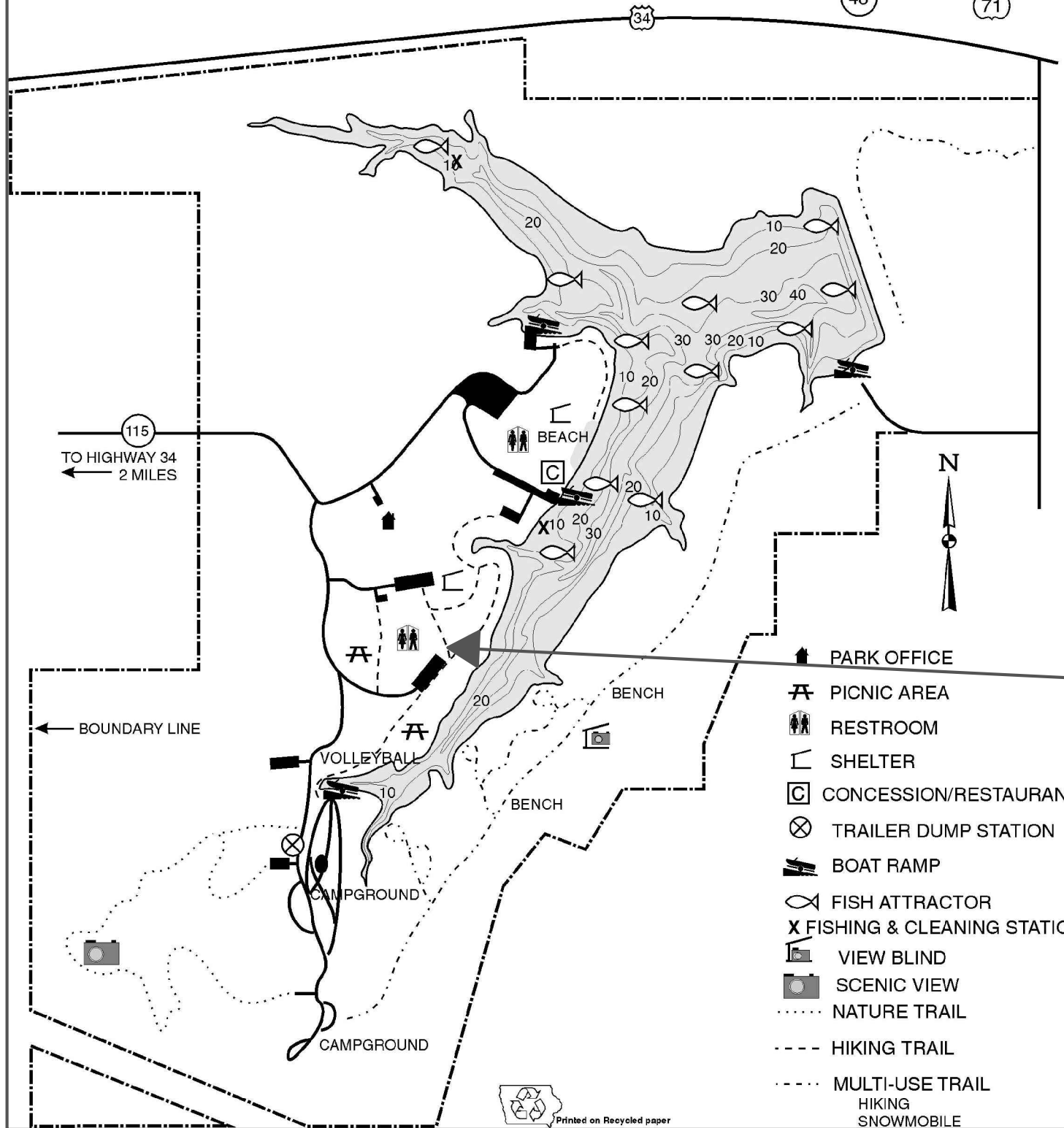
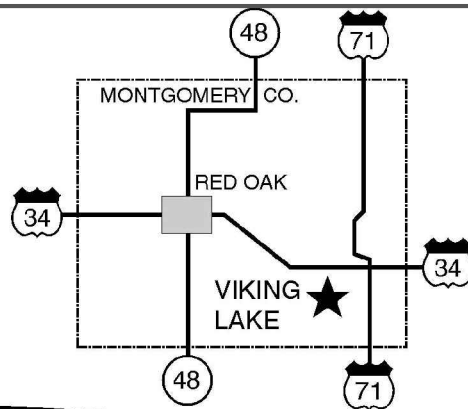
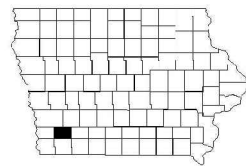
SIDEWALK:

1. CROSS-HATCHED AREA OF THE EXISTING SIDEWALK SHALL BE REMOVED AND REPLACED.



# VIKING LAKE STATE PARK

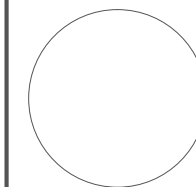
0 1320 2640 ft.  
1/4 1/2 mi.



## PROJECT LOCATION

## LOCATION MAP

CONSULTANT:



IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST. - DES MOINES, IA 50319-0034



PROJECT LOCATION MAPS

RESTROOM BUILDING REPLACEMENT FOR:

VIKING LAKE STATE PARK

MONTGOMERY COUNTY, IOWA

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DRAWN BY: PROJECT NUMBER:  
13-04-83-02

CHK'D BY: DATE:  
12/07/2012

SHEET No:





- 1 CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING VAULT LATRINE BUILDING AND ALL APPURTENANCES. RESTORE DISTURBED AREA TO MATCH SURROUNDINGS (FILL AS NECESSARY TO MATCH EXISTING GRADES, SEED/MULCH DISTURBED AREAS).
- 2 CONTRACTOR TO REMOVE EXISTING HYDRANT. SALVAGE IF IN GOOD WORKING ORDER. CONTRACTOR WILL NEED TO LOCATE AND CLOSE EXISTING VALVE ON THIS SERVICE LINE FOR DEMOLITION. COORDINATE WITH DNR INSPECTOR.
- 3 CONTRACTOR TO REMOVE 3 EXISTING TREES FOR THE CONSTRUCTION OF NEW VAULT BUILDING.

LEGEND

EXISTING/PROPOSED

W 8"

SAN 8"

UGE

OPP/LP

990

W 8"

SAN 8"

UGE

PP/LP

990

WATER MAIN & SIZE

SANITARY SEWER & SIZE

UNDERGROUND ELECTRIC CABLE

MANHOLE

HYDRANT

POWER POLE/LIGHT POLE

UTILITY BOX/TELEPHONE RISER

EXISTING/PROPOSED CONTOURS

TREES

NORTH

Scale: 1"=20'

0'

20'

40'

CONSULTANT:

IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST. - DES MOINES, IA 50319-0034

DEMOLITION PLAN

RESTROOM BUILDING REPLACEMENT FOR:

VIKING LAKE STATE PARK

MONTGOMERY COUNTY, IOWA

NO.	BY DATE	REVISION

DRAWN BY:

PROJECT NUMBER:

13-04-83-02

CHK'D BY:

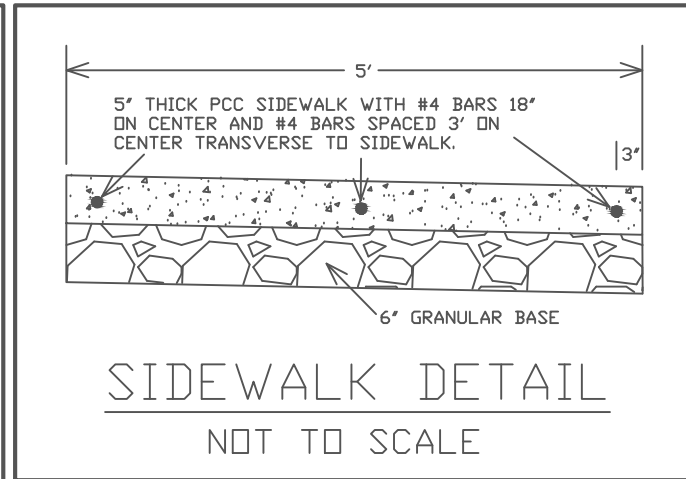
DATE:

12/07/2012

SHEET NO:

14



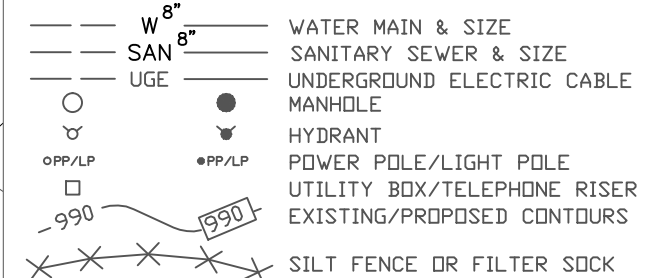


1. INSTALL 1/2" EXPANSION JOINT BETWEEN THE BUILDING SLAB AND THE PROPOSED SIDEWALK.
2. PROPOSED 5' WIDE SIDEWALK TO HAVE TWO 5-FOOT PANELS AND THREE LONGITUDINAL #4 BARS, 18-INCHES ON CENTER AND #4 BARS SPACED 3' ON CENTER TRANSVERSE TO SIDEWALK.
3. COORDINATE EXACT BUILDING LOCATION AND SIDEWALK CONNECTION WITH DNR INSPECTOR. BUILDING, SIDEWALK AND YARD HYDRANT LOCATIONS CAN BE CHANGED IN THE FIELD TO AVOID CONFLICTS.
4. EXISTING WATER SERVICE SIZE IS MOST LIKELY 1-INCH. CONTRACTOR TO VERIFY EXISTING SERVICE SIZE IN ORDER TO SIZE THE COUPLING CONNECTION FOR NEW 1-INCH SERVICE LINE.

1. CONNECT TO EXISTING WATER SERVICE. ABANDON REMAINING WATER SERVICE EXTENDING TO THE NORTH. COORDINATE EXACT CONNECTING LOCATION WITH DNR INSPECTOR.
2. INSTALL 180 LF OF 1-INCH PE WATER SERVICE. COORDINATE EXACT ALIGNMENT WITH DNR INSPECTOR.
3. INSTALL NEW YARD HYDRANT. COORDINATE EXACT LOCATION WITH DNR INSPECTOR.
4. INSTALL NEW CXT SINGLE CASCADIAN RIGHT HAND VAULT BUILDING. SEE DETAIL ON SHEETS #16-18. COORDINATE EXACT LOCATION WITH DNR INSPECTOR.
5. INSTALL NEW 5' WIDE, 5-INCH THICKNESS PCC SIDEWALK WITH 6-INCH GRANULAR BASE.
6. INSTALL 36 LINEAL FEET OF FILTER SOCK OR SILT FENCE.
7. INSTALL 70 LINEAL FEET OF BORED CONDUIT.
8. INSTALL 22-FOOT TALL 3-INCH DIAMETER GALVANIZED STEEL POLE WITH SUNWIZE #SC12-12V SOLAR PANEL AND SIDE OF POLE MOUNT (PART #007986). INSTALL 2'x2'x42" PCC BASE. SEE SHEET 19 FOR DETAILS.

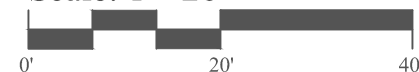
## LEGEND

EXISTING/PROPOSED



NORTH

Scale: 1"=20'



CONSULTANT:

IOWA DEPARTMENT OF  
NATURAL RESOURCES

ENGINEERING SERVICES - WALLACE BUILDING  
502 E. 9TH ST., DES MOINES, IA 50319-0034

## SITE PLAN

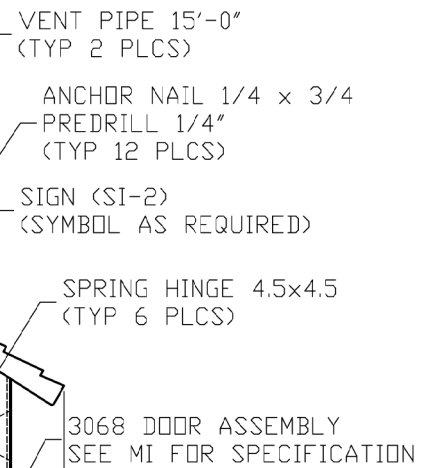
RESTROOM BUILDING REPLACEMENT FOR:

VIKING LAKE STATE PARK

MONTGOMERY COUNTY, IOWA

NO.	BY DATE	REVISION
DRAWN BY:	PROJECT NUMBER: <b>13-04-83-02</b>	
CHECK'D BY:	DATE: <b>12/07/2012</b>	
SHEET No:		

15



5" 13'-6" 6" 5"

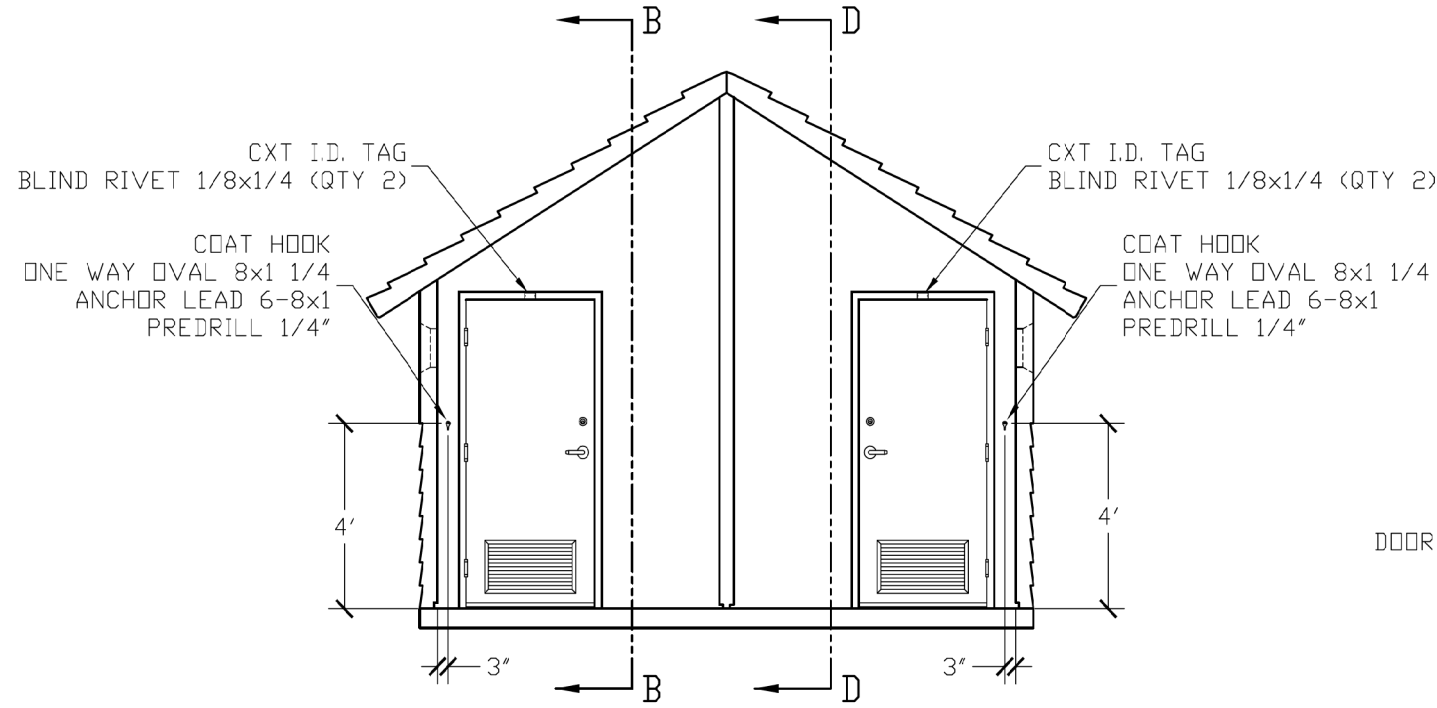
$$-11^i - 11^h$$

— 11<sup>I</sup> — 11<sup>II</sup>

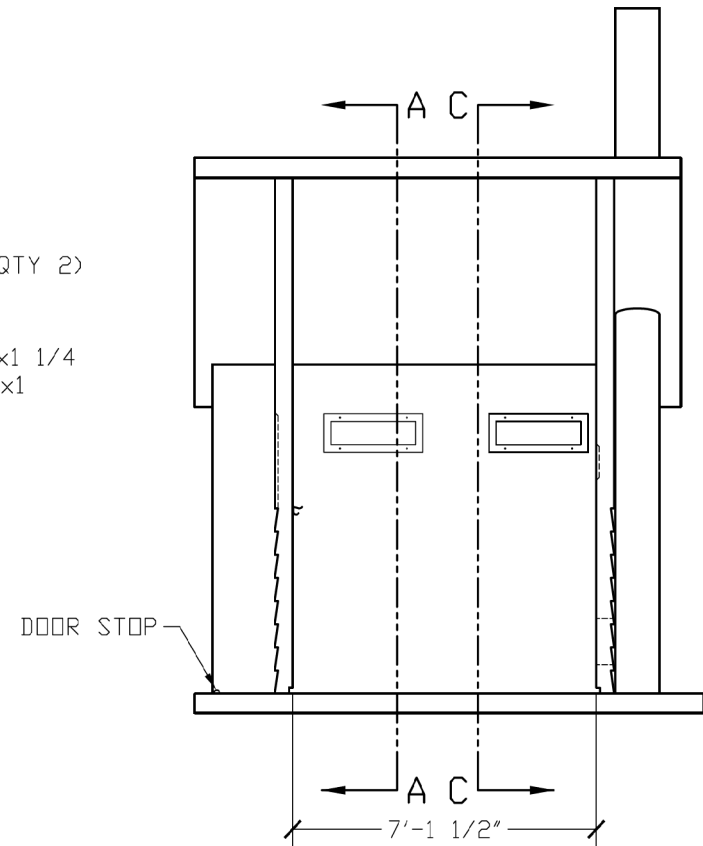
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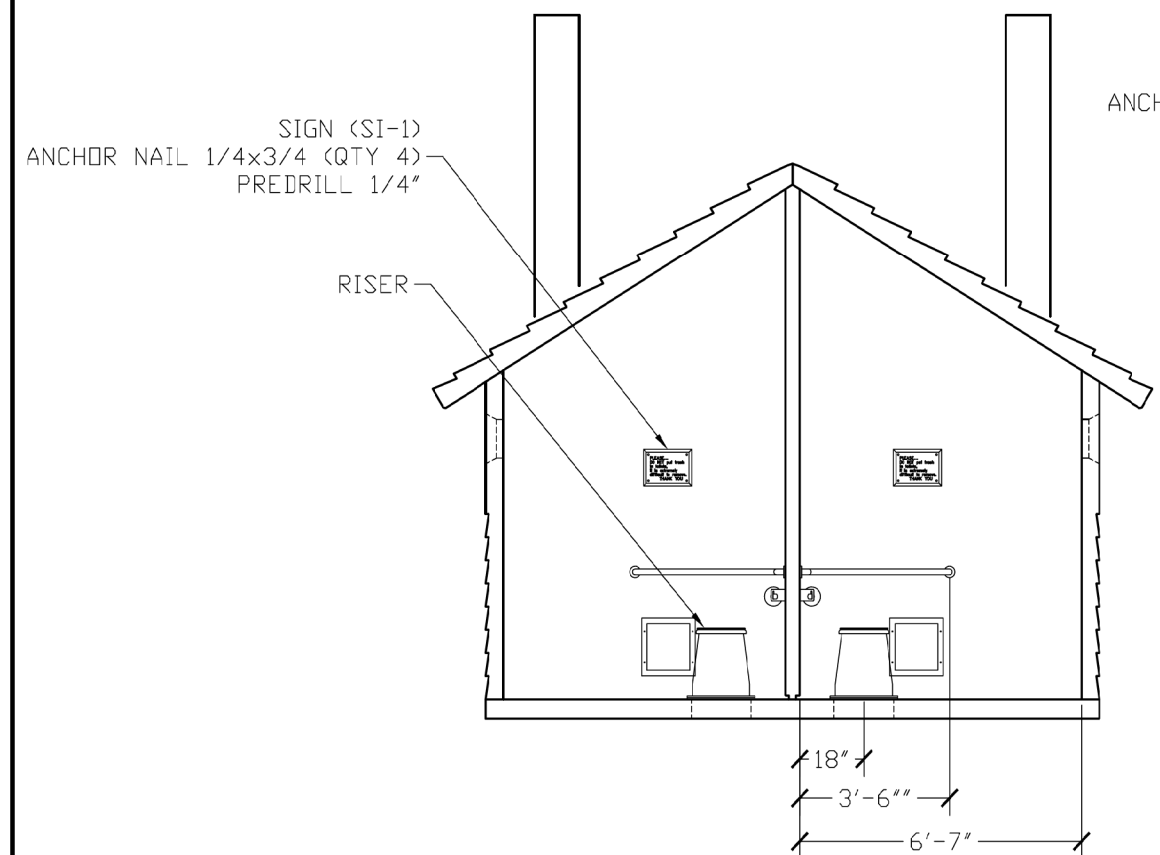
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SECTION A - A



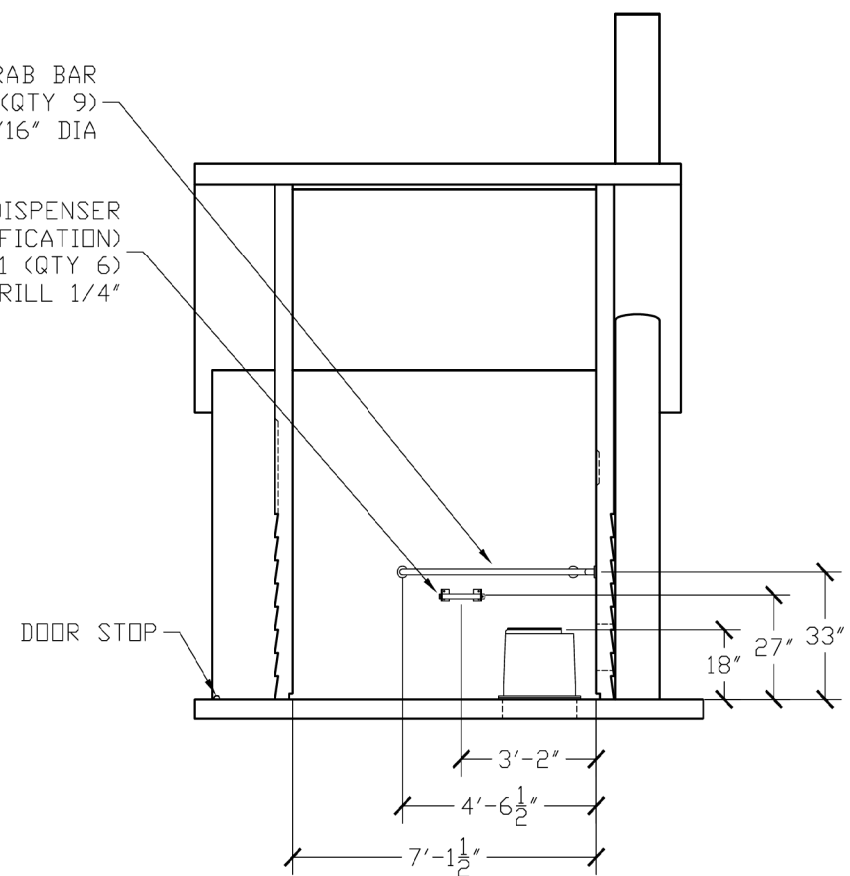
SECTION B - B



SECTION C - C

GRAB BAR  
ANCHOR NAIL 3/16x7/8 (QTY 9)  
PREDRILL HOLE 3/16\" DIA

TP DISPENSER  
(SEE MI FOR SPECIFICATION)  
ANCHOR NAIL 1/4x1 (QTY 6)  
PREDRILL 1/4\"



SECTION D - D

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
RISER	2	ONE WAY OVAL 8x1 1/4	4
GRAB BAR	2	ANCHOR LEAD 6-8x1	4
TP DISPENSER	2		
TOILET PAPER ROLL	4-6		
COAT HOOK	2		
DOOR STOP	2		
SI-1	2		
BLIND RIVET 1/8x1/4	4		
CXT I.D. TAG	2		
ANCHOR NAIL 1/4x1	12		
ANCHOR NAIL 1/4x3/4	8		
ANCHOR NAIL 3/16x7/8	18		
CU. FT. CONC.		SQ. FT. W.W.F.	APPROXIMATE WEIGHT

FOR  
REFERENCE  
ONLY



PROJECT TITLE  
DOUBLE CASCADIAN  
CXT STANDARD BUILDING

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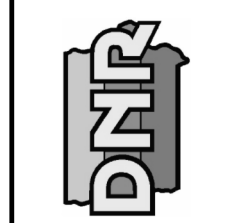
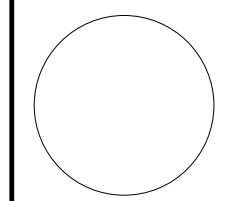
CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	03-28-05
DRAWN		FILE NO.	PD-DC03
CHECKED		PLOT	48

INTERIOR ELEVATIONS

DWG NO. DC-03

SHEET REV.



DOUBLE CASCADIAN DETAILS

VAULT LATRINE FOR:  
PRAIRIE ROSE STATE PARK  
SHELBY COUNTY, IOWA

13-04-83-02



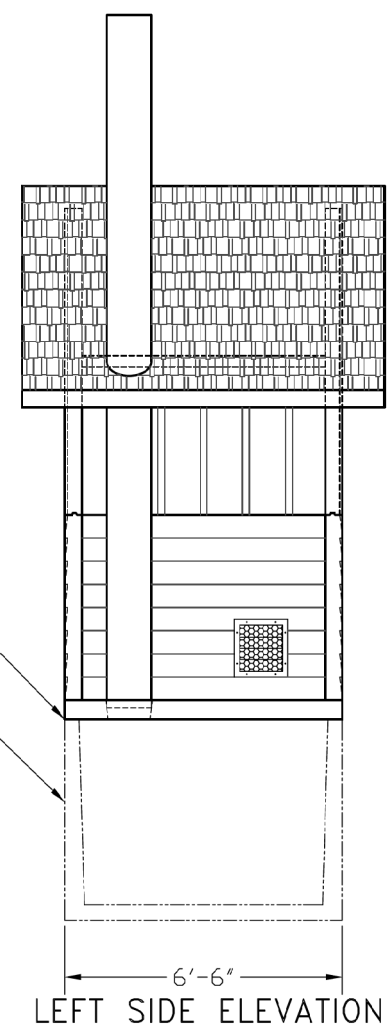
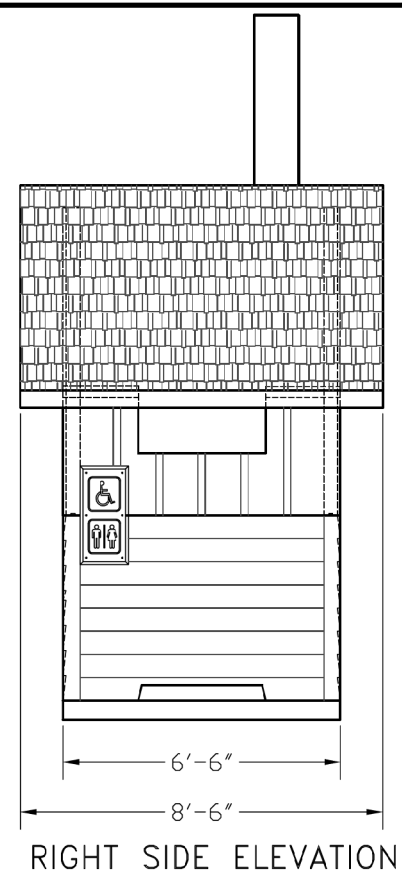
**CXT**  
Precast Products

NOTICE

CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	03-28-05
DRAWN		FILE NO.	PD-DC04
CHECKED		PLOT	24

DWG NO.	SHEET	REV.
DC-04		



EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
SI-2	2		
VENT PIPE 15'-0"	1		
ANCHOR NAIL 1/4x3/4	12		
CU. FT. CONC.	SQ. FT. W.W.F.	APPROXIMATE WEIGHT	

FOR  
REFERENCE  
ONLY



PROJECT TITLE  
CASCADIAN RIGHT HAND  
CXT STANDARD BUILDING

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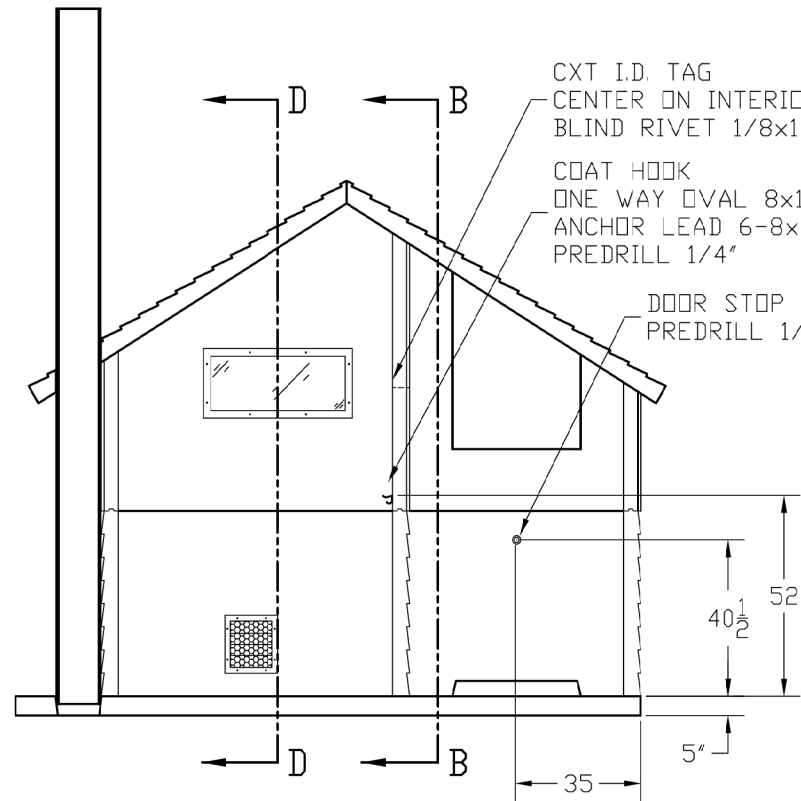
CXT Incorporated

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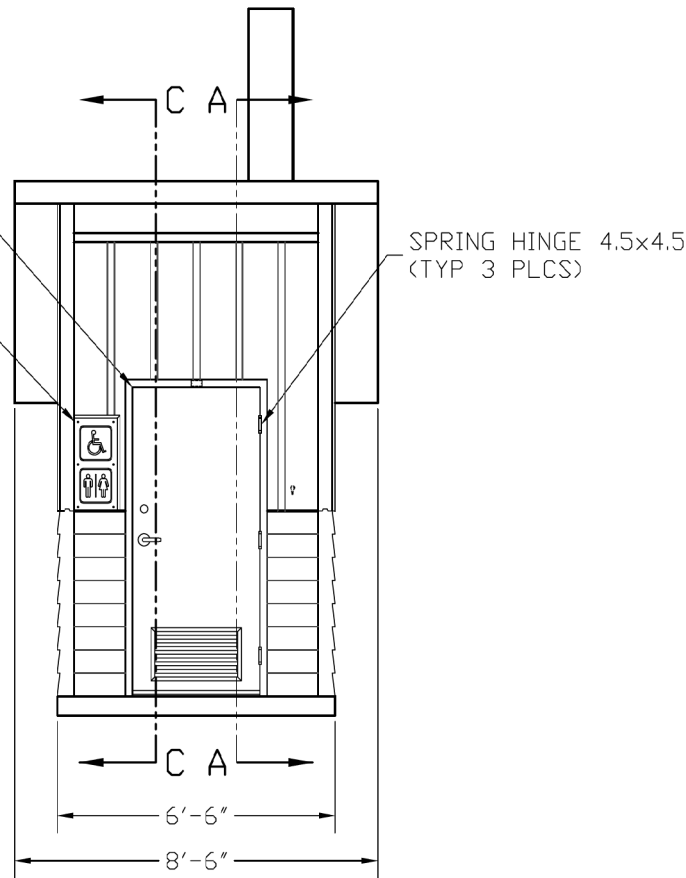
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DWG NO.	SHEET	REV.
C-02		

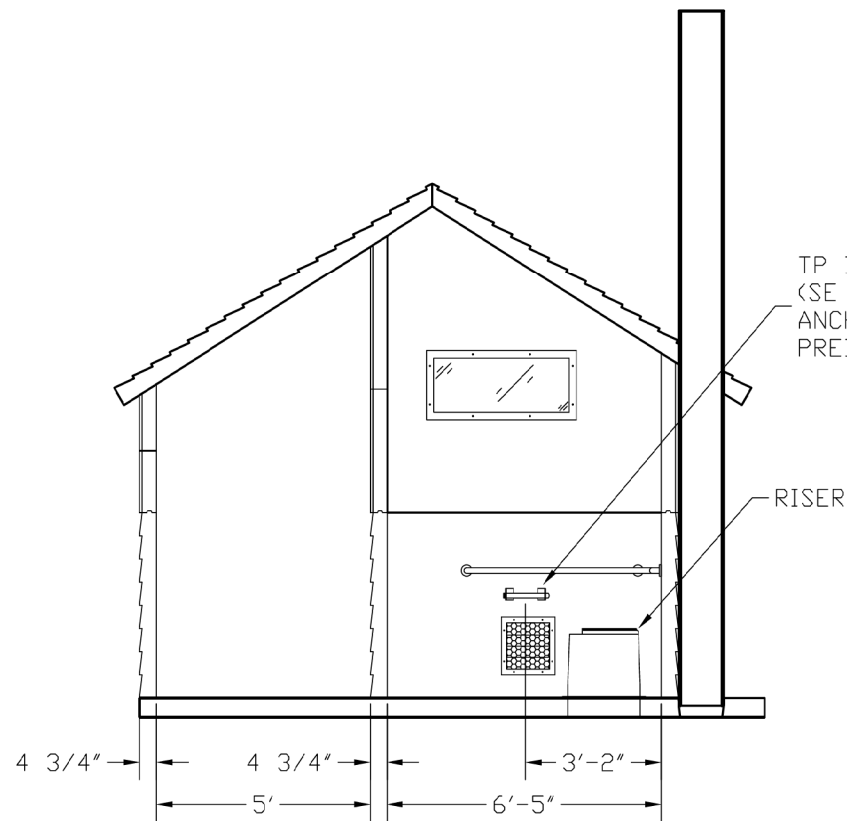
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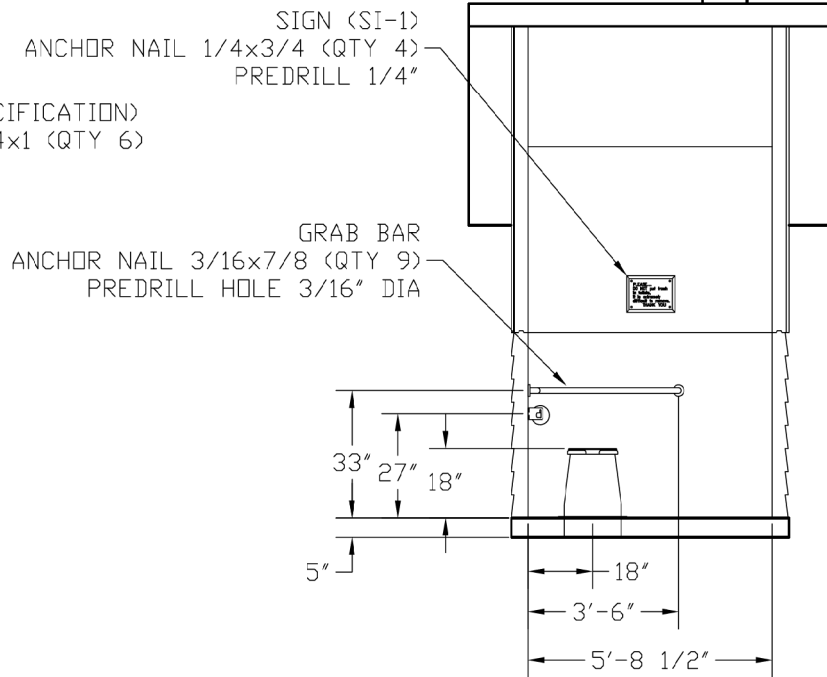
SECTION A - A



SECTION B - B



SECTION C - C



SECTION D - D

EMBEDDED MATERIALS			
ITEM	QTY	ITEM	QTY
RISER	1	ONE WAY OVAL 8x1 1/4	2
GRAB BAR	1	ANCHOR LEAD 6-8x1	2
TP DISPENSER	1	BLIND RIVET 1/8x1/4	2
TOILET PAPER ROLL	2-3	3068 DOOR ASSEMBLY	1
COAT HOOK	1	SPRING HINGE 4.5x4.5	3
DOOR STOP	1		
SI-1	1		
SI-2	1		
CXT I.D. TAG	1		
ANCHOR NAIL 1/4x1	6		
ANCHOR NAIL 1/4x3/4	10		
ANCHOR NAIL 3/16x7/8	9		
CU. FT. CONC.		SQ. FT. W.W.F.	APPROXIMATE WEIGHT

FOR  
REFERENCE  
ONLY



PROJECT TITLE  
CASCADIAN RIGHT HAND  
CXT STANDARD BUILDING

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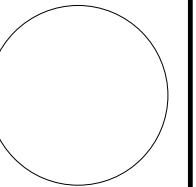
CXT Incorporated

REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/4"=1'-0"	DATE	03-28-05
DRAWN		FILE NO.	PD-C03
CHECKED		PLOT	48

INTERIOR ELEVATIONS

DWG NO. SHEET REV.

C-03



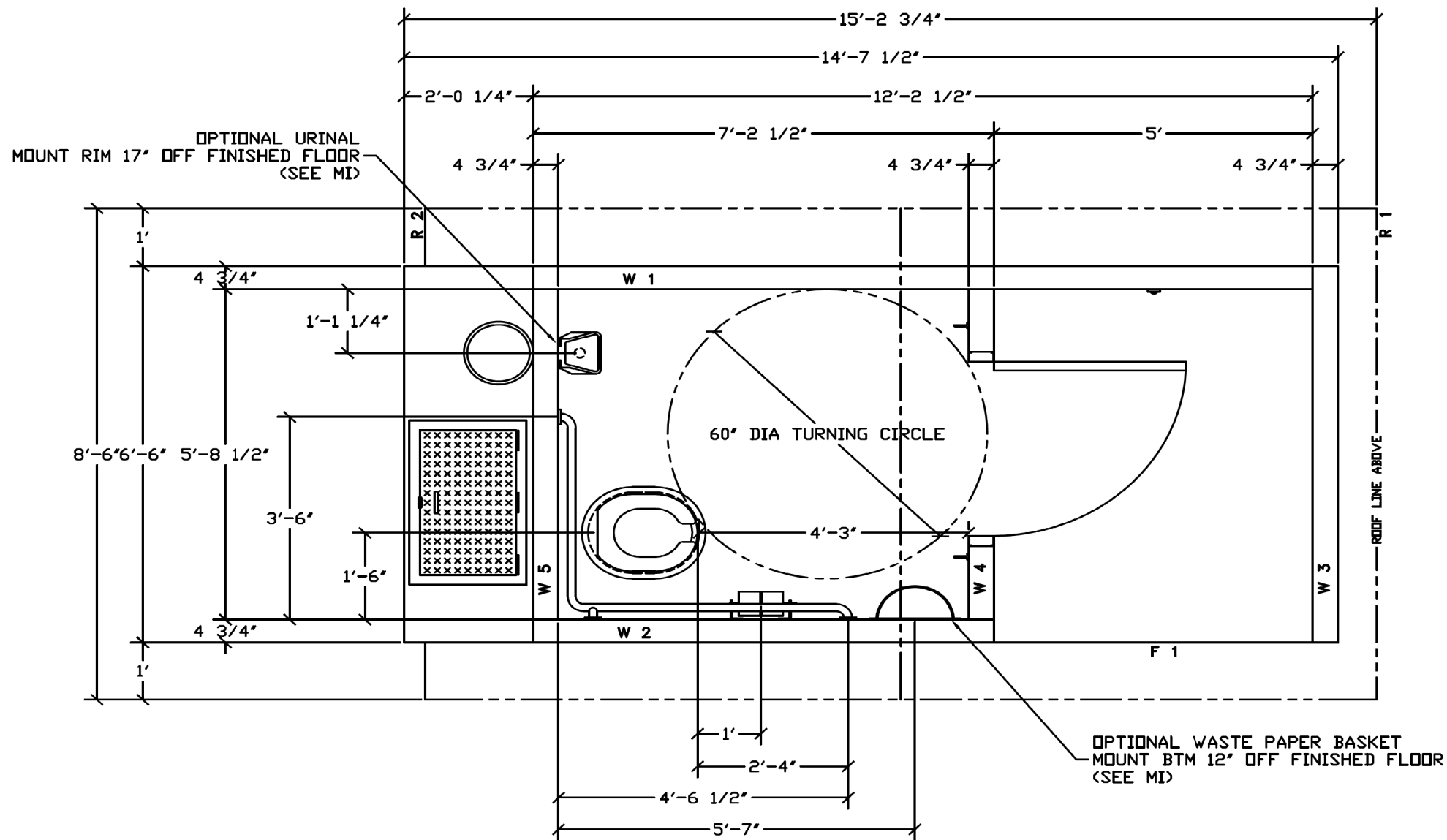
SINGLE CASCADIAN DETAILS

PRAIRIE ROSE, LAKE MANAWA & VIKING LAKE STATE PARKS  
SHELBY, POTTAWATOMIE & MONTGOMERY COUNTIES, IOWA

13-04-83-02



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FOR  
REFERENCE  
ONLY



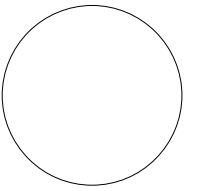
PROJECT TITLE  
CASCADIAN RIGHT HAND  
CXT STANDARD BUILDING

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CXT Incorporated			
REV.	DESCRIPTION	APPROVAL	DATE
SCALE	1/2"=1'-0"	DATE	03-28-05
DRAWN	FILE NO.	PD-C04	
CHECKED	PLOT	24	

FLOOR PLAN

DWG NO.	SHEET	REV.
C-04		



SINGLE CASCADIAN DETAILS

PRAIRIE ROSE, LAKE MANAWA & VIKING LAKE STATE PARKS  
SHELBY, POTTAWATOMIE & MONTGOMERY COUNTIES, IOWA

13-04-83-02



